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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/706,812	11/12/2003	Urban Blomberg	P03,0407	6958
7590 04/04/2007 SCHIFF HARDIN & WAITE			EXAMINER	
Patent Department 6600 Sears Tower 233 South Wacker Drive Chicago, IL 60606			NASSER, ROBERT L	
			ART UNIT	PAPER NUMBER
			3735	
SHORTENED STATUTOR	RY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MONTHS		04/04/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

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•	Application No.	Applicant(s)	•
	10/706,812	BLOMBERG ET AL.	
Office Action Summary	Examiner	Art Unit	
	Robert L. Nasser	3735	
The MAILING DATE of this communication apperiod for Reply	pears on the cover sheet	with the correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D  - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication.  If NO period for reply is specified above, the maximum statutory period  - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMU 136(a). In no event, however, may will apply and will expire SIX (6) No e, cause the application to become	NICATION. a reply be timely filed  ONTHS from the mailing date of this communication.  ABANDONED (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on  2a) This action is <b>FINAL</b> 2b) This  3) Since this application is in condition for alloware closed in accordance with the practice under the second	s action is non-final.		
Disposition of Claims			
4) ⊠ Claim(s) 1-12 is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 1-8,11 and 12 is/are rejected. 7) ⊠ Claim(s) 9, 10 is/are objected to. 8) □ Claim(s) are subject to restriction and/or	wn from consideration.		
Application Papers			
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomposite and applicant may not request that any objection to the Replacement drawing sheet(s) including the correct and the correct of the correct and the correct of the correct	cepted or b) objected drawing(s) be held in abe	vance See 37 CFR 1.85(a). ng(s) is objected to. See 37 CFR 1.121(d).	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:  1. Certified copies of the priority documen 2. Certified copies of the priority documen 3. Copies of the certified copies of the priority application from the International Burea * See the attached detailed Office action for a list	ts have been received ts have been received in prity documents have be nu (PCT Rule 17.2(a))	n Application No en received in this National Stage	
Attachment(s)			
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 5/7/2004.	Paper I	w Summary (PTO-413) Io(s)/Mail Date of Informal Patent Application	

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Claims 2 and 6 are objected to in that applicant ha snot defined the parameter b in the claims.

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 2 and 6 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. Claims 2 and 6 lack enablement in that on page 3 of the specification, compliance is defined as a function of volume. However, Equation 2 shows compliance as a function of itself multiplied by a volume to the power (1-b). It is unclear how compliance is a function of itself.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

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Claims 1, 3, 4, 5, 7, 8, and 12 rejected under 35 U.S.C. 102(b) as being anticipated by Yamada 5316009. Yamada teaches a method for measuring Wmus or the work of the muscles in breathing, which is an index of pulmonary stress, where air is supplied to t a patient at a pressure Paw and a flow rate, both of which are measured, and Wmus is calculated using Paw, the flow rate, airway resistance, and elasticity, which is the inverse of compliance (see abstract and equation 5). Claim 3 is rejected in that the value is calculated on a breath by breath basis. Claim 4 is rejected in that Yamada determines the average value of work (see column 6, lines 40-45). Claims 5, 7, and 8 are rejected in that Yamada teaches the corresponding device. Claim 12 is rejected in that the control unit controls a ventilator parameter, such as PEEP.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Yamada in view of Banner et al 6820618. Banner teaches measuring a value of work of breathing and sounds an alarm if the value is out of range. Hence, it would have been obvious to modify Yamada to sound such an alarm when the value is out of range, to enable help to be received. In addition, Yamada has the display 19.

Claims 2 and 6 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 1<sup>st</sup> paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

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Claims 9 and 10 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 2 and 6 define over the art in that none of the art uses the recited formula.

Claims 9 and 10 define over the art in that none of the art determines stress relative to the interval as recited in the claims.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Weismann 5876352 discusses work or stress determining methods in the background section.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert L. Nasser whose telephone number is 571 272-4731. The examiner can normally be reached on m-f 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Marmor II can be reached on 571 272-4730. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Robert L. Nasser Primary Examiner Art Unit 3735

RLN March 28, 2007

CHARLES A. MARMOR II
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